Protecting Our Environment

THE DEQ ENGINEER

If you'd like to apply your engineering knowledge and experience in the environmental field, you may wish to consider a position as an engineer with the Idaho DEQ. The engineer career path progresses from the Engineer-In-Training level to the journey-level Staff Engineer. Advanced positions provide a managerial or technical alternative and are based on agency need and availability. Work involves air quality and air pollution control systems or water quality, wastewater, public drinking water, or solid waste systems.

ENGINEER-IN-TRAINING - Pay Grade I

(Salary Range $14.06–$21.97)

This is the entry-level position for all professional-level engineering-related work. Incumbents work under the supervision of a Professional Engineer (PE) and receive on-the-job, structured training required as a prerequisite for licensure as a PE. Typical duties may include:

- analyzing engineering data and interpreting plans and specs;
- environmental permitting activities, including technical analysis and preparation of environmental permits;
- assisting in preparation and analysis of multi-objective planning studies; and
- working on specified portions or minor phases of projects.

MINIMUM QUALIFICATIONS: Certification by the Idaho Board of Professional Engineers as an Engineer-In-Training (EIT) **OR** certification as an EIT from another jurisdiction that included graduation from a four-year engineering curriculum accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET) **OR** graduation from a four-year engineering curriculum accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET) **PLUS** verification that the candidate has passed the Fundamentals of Engineering examination.

ENGINEER ASSOCIATE - Pay Grade K

(Salary Range $16.59–$27.46)

After approximately two years' experience at the Engineer-In-Training level, incumbents may be reclassified to the Engineer Associate level with certification by the appointing authority that the work performed is up to this level of competence. This is the advanced entry-level position where incumbents have several years of engineering expertise related to a specific discipline. Typical duties may include:

- analyzing engineering data, interpreting plans and specifications and making technical decisions;
- environmental permitting activities, including technical analysis and preparation of environmental permits for complex systems; and
- performing fieldwork and inspections to determine compliance with standards and environmental permits.

MINIMUM QUALIFICATIONS: Same as EIT AND experience reading and interpreting engineering plans, specifications and standards on projects; interpreting and applying federal, state and local laws when applying standard engineering principles and practices; coordinating fieldwork; and inspecting projects or facilities for compliance with standards.

STAFF ENGINEER - Pay Grade L

(Salary Range $18.14–$30.04)

The Staff Engineer is a journey-level position and comprises the majority of DEQ engineering positions. Incumbents in this position are fully competent engineers who have received their PE licensure and have a broad knowledge of precedents of the engineering discipline. These positions are generalists and perform a wide variety of engineering projects. Typical duties may include:

- assessing air, water, solid waste, and hazardous material pollution control methods;
- providing technical assistance to staff, industry, and government agencies regarding the application and interpretation of engineering standards;
- evaluating wastewater collection and treatment systems, drinking water treatment and distribution systems, and other related facilities for conformance with established engineering design criteria;
- using computer models, including interpreting results, for analyzing fate and transport in various environmental medias;
- conducting assessments of environmental remediation and restoration projects.

MINIMUM QUALIFICATIONS: Licensure in Idaho as a PE, or eligible for comity licensure by the Idaho Board of Professional Engineers **AND** experience analyzing, interpreting and applying federal, state and local laws when applying professional engineering principles and practices; writing technical engineering reports; evaluating, selecting and adapting standard engineering plans, specifications and standards in completing projects; coordinating fieldwork and inspecting projects or facilities for compliance with standards.

ENGINEER CLASSIFICATION

For application materials, visit:

Division of Human Resources
700 W. State Street
Boise, ID 83720
(208) 334-2263
www.dhr.state.id.us
EOE/AA

Idaho Department of Environmental Quality
1410 N. Hilton
Boise, ID 83706
(208) 373-0502
www.deq.state.id.us

Engineer Career Path

TECHNICAL PATH

ENGINEER, TECHNICAL 1 - Pay Grade N

(Salary Range $21.25–$35.15)

The Engineer Technical 1 position works with considerable autonomy to make independent decisions on complex projects. Incumbents are considered department experts with specific expertise in air, water or hazardous materials. Typical duties may include:

- evaluating air, water, solid waste and hazardous material pollution-control methods for applicability;
- evaluating wastewater collection and treatment systems, drinking-water treatment and distribution systems, and other related facilities with complex or difficult engineering applications for conformance with established engineering design criteria;
- acting as an agency consultant regarding the application and interpretation of engineering standards;
- conducting assessments of environmental remediation and restoration projects;
- handling projects with a high degree of public relations aspects and/or public health and safety consequences;
- developing agency guidance in applying federal, state and local laws; and
- developing work techniques to improve agency efficiency.

MINIMUM QUALIFICATIONS: Licensed in Idaho as a PE, or eligibility for comity licensure by the Idaho Board of Professional Engineers **AND** experience coordinating with state and local government operations in one of the specific engineering specialties; evaluating engineering projects and making decisions relative to their merit; writing engineering reports and related correspondence; reviewing engineering analyses; making oral presentations to groups relative to the merits of engineering applications.

ENGINEER TECHNICAL 2 - Pay Grade O

(Salary Range $22.78–$37.68)

The Engineer Technical 2 level has statewide responsibility for coordination of involved engineering applications by providing direction and consultation to engineering staff and management. Work may involve heavy public relations and have considerable consequences for economics and public safety and, as such, have an enormous impact on the State and the people of Idaho. Typical duties may include:

- evaluating and performing analysis of pollution sources;
- coordinating multimedia engineering projects and programs;
- developing models to analyze surface and groundwater systems;
- testifying in court as an expert witness regarding engineering issues;
- acting as a statewide expert in your engineering specialty.

MINIMUM QUALIFICATIONS: Licensed in Idaho as a PE, or eligibility for comity licensure by the Idaho Board of Professional Engineers **AND** experience coordinating with state and local government operations in one of the specific engineering specialties; evaluating engineering projects and making decisions relative to their merit; writing engineering reports and related correspondence; reviewing engineering analyses; making oral presentations to groups relative to the merits of engineering applications.

MANAGERIAL PATH

ENGINEER MANAGER 1 - Pay Grade O

(Salary Range $22.78–$37.68)

The Engineer Manager 1 applies a high level of technical expertise in his or her specific discipline to provide consultation to management, and is capable of performing difficult engineering assignments. The incumbent is responsible for daily operations, including supervising professional engineers and technical staff. Typical duties may include:

- planning, organizing and directing major engineering projects;
- interviewing, hiring and evaluating staff;
- developing and recommending department policies, rules, procedures, standards, programs and budgets; and
- working on multimedia engineering projects.

MINIMUM QUALIFICATIONS: Licensed in Idaho as a PE, or eligibility for comity licensure by the Idaho Board of Professional Engineers **AND** good knowledge of state and local government operations pertaining to a specific engineering discipline **AND** experience supervising engineering staff; interpreting and applying federal, state and local laws; evaluating engineering projects and making decisions relative to their merit; writing engineering reports and related correspondence; reviewing engineering analyses; and making oral presentations to groups relative to the merits of engineering applications.

ENGINEER MANAGER 2 - Pay Grade P

(Salary Range $24.52–$40.56)

Engineer Manager 2 positions are only found in agencies where the predominate responsibility is the protection and safety of the public from an engineering perspective. Incumbents are managers who oversee and review the professional and technical engineering work of others and advise management. Typical duties may include:

- interviewing, hiring and evaluating staff;
- developing programs and budgets; and
- drafting rules, regulations and legislation.

MINIMUM QUALIFICATIONS: Licensed in Idaho as a PE, or eligibility for comity licensure by the Idaho Board of Professional Engineers **AND** good knowledge management practices **AND** experience applying engineering principles to resolve complex engineering applications; supervising professional and/or technical engineering staff; interpreting and applying federal, state and local laws pertaining to engineering applications; writing engineering reports and related correspondence; reviewing engineering analyses; and making oral presentations to groups relative to the merits of engineering applications.

Position descriptions are not inclusive of all duties that may be required. Typically these positions have Minimum Qualification Specialties requiring expertise within a particular medium, technical discipline or administrative function in addition to specialty skill areas.